

F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD	SEE TITLE SHEET		

MD 235 IS ASSUMED
TO RUN IN A
NORTH-SOUTH DIRECTION

SIGNS

14 Exploration Park 14a Exploration Park

D3-2 VARIABLE X 16 In. (DUAL FACE - BACK TO BACK) D3-2 VARIABLE X 16 In.

13 ONLY R3-5 30 in. x 36 in.

R6-1(R) 36 in. x 12 in.
M3-3 24 in. x 12 in.
MI-5 30 in. x 24 in.
M6-1 24 in. x 18 in.

17 SOUTH 235

21 R10-12 30 in. x 36 in.

ASSOCIATED SHIELD ASSEMBLY 30 in. x 48 in.

SIGNALS

18,20 PUSH BUTTON TO CROSS MD 235

R10-4(1) 9 in. x 12 in.

1,2 4,5,6 12 in.

3 12 in.

10-13 12 in.

23 12 in.

24 12 in.

NEMA PHASING

01 02 04 06

FLASHING OPERATION

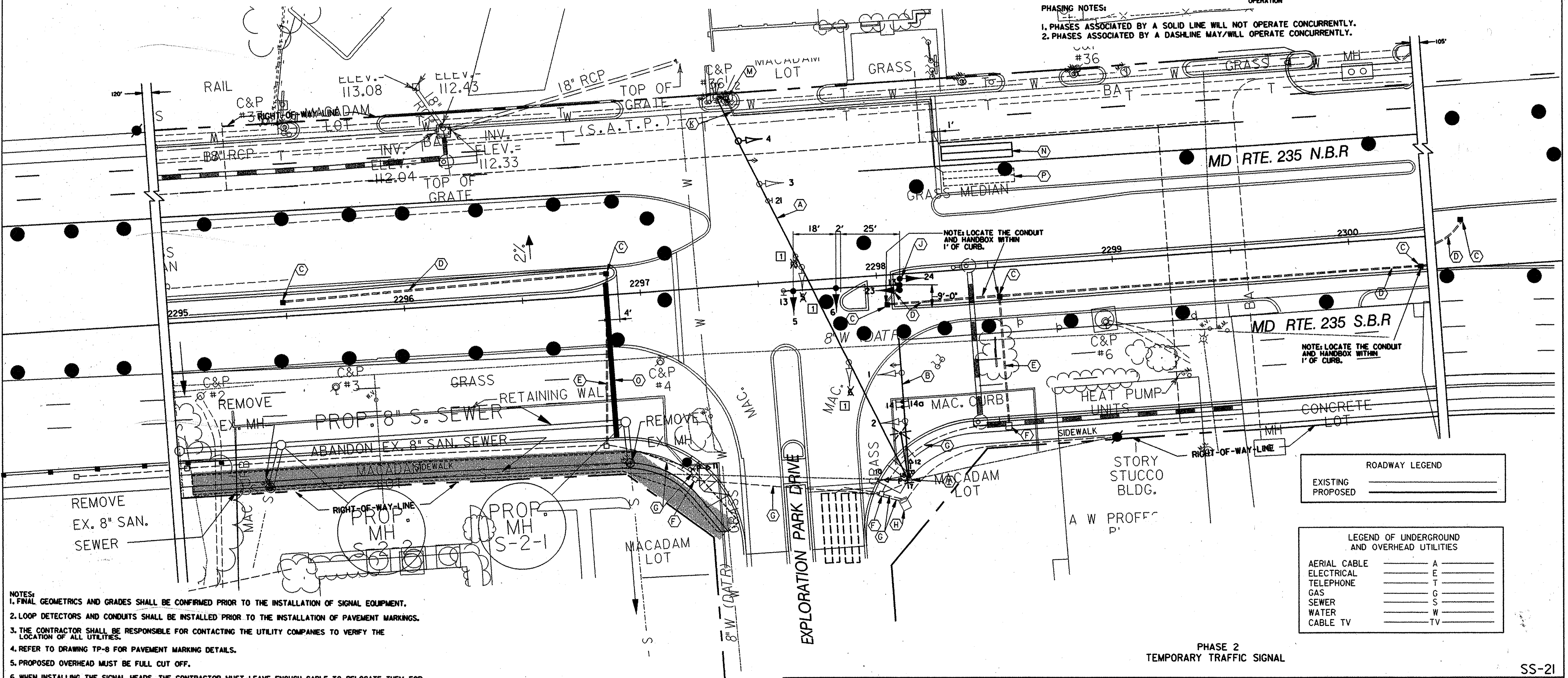
PRE-EMPTION PHASING

PE #1 PE #2

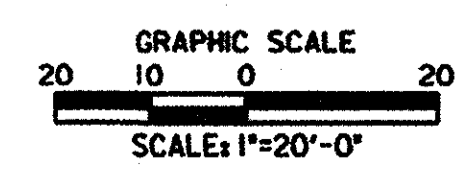
PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

2. PHASES ASSOCIATED BY A DASHLINE MAY/WILL OPERATE CONCURRENTLY.



- NOTES:**
1. FINAL GEOMETRICS AND GRADES SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
 2. LOOP DETECTORS AND CONDUITS SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE UTILITY COMPANIES TO VERIFY THE LOCATION OF ALL UTILITIES.
 4. REFER TO DRAWING TP-8 FOR PAVEMENT MARKING DETAILS.
 5. PROPOSED OVERHEAD MUST BE FULL CUT OFF.
 6. WHEN INSTALLING THE SIGNAL HEADS, THE CONTRACTOR MUST LEAVE ENOUGH CABLE TO RELOCATE THEM FOR MAINTENANCE OF TRAFFIC.
 7. PROPOSED SIGNAL WORK WILL BE COMPLETED AS DIRECTED BY THE ENGINEER FOR PHASE 2.
 8. MAINLINE LEFT TURN LOOP DETECTORS AND SIDE STREET PRESENT LOOP DETECTORS SHALL REMAIN OPERATIONAL DURING ALL PHASES OF CONSTRUCTION UNTIL NEW LOOPS ARE IN PLACE AND CUT OVER IF POSSIBLE OR DIRECTED BY THE ENGINEER.
 9. THE CONTRACTOR SHALL REMOVE ALL UNUSED CABLE AND REWIRE THE CONTROLLER AS DIRECTED BY THE ENGINEER.
 10. THE PEDESTRIAN SIGNAL HEADS AND SIGNS WILL REMAIN COVERED UNTIL THE FINAL SIGNAL PHASE.
 11. RELOCATE SIGNAL HEADS AND SIGNS ON SPAN WIRE OR MAST ARM AS DIRECTED BY THE ENGINEER.



RK RUMMEL, KLEPPER & KAHL, LLP
CONSULTING ENGINEERS
81 MOSHER STREET
BALTIMORE, MARYLAND 21217
TEL: 410/728-2900 FAX: 410/728-3160

REVISIONS:	APPROVALS:
1 Red Line Revision	CHEF SIGNAL DESIGN SECTION
	ASST. DISTRICT ENGINEER TRAFFIC
	CHEF TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR OFFICE OF TRAFFIC & SAFETY

MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

LOG MILE # 18023513.13

MD 235 @ EXPLORATION PARK DRIVE
SIGNAL PLAN

COUNTY: ST. MARY'S

DRAWN BY: DED/SMH
DES. BY: DK/DLA/SMH
CHK. BY: BJH

DATE: MAY 7, 1999 F.A.P. NO. SEE TITLE SHEET
SCALE: 1"=20' S.H.A. NO. SEE TITLE SHEET

TS/STD. NO.: 3787A-X2-PS SHEET NO. 165 OF 241